

STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM RECEIVED E 17/08 FORM OGC-3 DEC 28 2007

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATI	OR OPERATOR					DAT			
NAME OF COMPANY									
D.E. Explorati	on, inc.		1	CITY		12 STA		2007 ZIP CO	DE
P.O. Box 128				Wellsville		KS		6609	
	OF WELL AN	LEASE		A ESTABLES				0000	
NAME OF LEASE			,	WELL NUMBER		ELE	VATIO	N (GROUND	
Belton Unit				#R-22		10	79		
WELL LOCATION	0700			FROM SECTION LINES)	7 7				
WELL LOCATION	3760	ft. from \Boxed North \Boxed			M East L		on lin	9	
Sec. 16 Town	nship 46 North	Range 33 E	ast 🛛 West	NA N	IA.	Ca	iss		
		SED LOCATION TO PRO							
		TION TO NEAREST DR			WELL ON TH	HE SAME LE	ASE S	300 FEET	
PROPOSED DEPTH		G CONTRACTOR, NAME A				CABLE TOOL			WORK WILL ST
700'		s Energy Develo	pment, Inc.		Rotary		_ 1	/7/2008	
IUMBER OF ACRES	NUMBE	R OF WELLS ON LEAS	SE INCLUDING THIS	WELL, COMPLETED	IN OR DRILL	ING TO THIS	S RES	ERVOIR 70)
560	NUMBE	R OF ABANDONED W	ELLS ON LEASE 0						
F LEASE PURCHA		R MORE WELLS DRILL		JRCHASED?		NO. OF WE	LLS	PRODUC	CING <u>42</u>
IAME E.W. Sta	allings/Western	n Engineering						INJECT	-
DDRESS								ABANDO	
		□ SINGLE WELL		☐ RI ANKE	T BOND			Ø ON F	
STATUS OF BOND SINGLE WELL SLANKET BO									
REMARKS: (IF THIS I	S AN APPLICATION TO E BACK OF FORM IF I		C, BRIEFLY DESCRIBE V	VORK TO BE DONE, GIV		PRODUCING/		TION ZONE AN	ND EXPECTED N
EMARKS: (IF THIS I	S AN APPLICATION TO	D DEEPEN OR PLUG BACK NEEDED) ASING PROGRAM		VORK TO BE DONE, GIV	NG PRESENT CASING - T	PRODUCING/	D IN E	Y STATE G	EOLOGIST
REMARKS: (IF THIS I NJECTION ZONE; US AMOUNT	S AN APPLICATION TO E BACK OF FORM IF I PROPOSED C SIZE	D DEEPEN OR PLUG BACK NEEDED)	CEMENT	APPROVED AMOUNT	NG PRESENT CASING - TO SIZE	O BE FILLE	D IN E	TION ZONE AN	EOLOGIST CEMENT
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Company confirm that an approved drilling permit has been obtained by the owner of this well Council approval of this permit will be shown on this form by presence of a permit number and algorithms of authorized Council representative.

RECEIVED

DEC 28 2007

Mo Oil & Gas Council



STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM INJECTION WELL LOCATION PLAT



DEC 28 2007

OWNER'S NAME			Moc	il & Gas	Council
D.E. Exploration, Inc.			910	COUNTY	Codificin
Belton Unit #R-22				Cass	
	GE FROM	SECTION LINES)			
3760 ft. from ☐ North ☒ South se	ection li	ne <u>1605</u> ft. from	⊠East □West	section line	
	⊠ We	st	Belton Qu	1 2	
LATITUDE		LONGITUDE			
NA		NA			
NET					
NI —					
IN					
A .					
7					
•					
		Y			
REMARKS					
Refer to map sent 12/27/2007					
		T.		8 2	
INSTRUCTIONS		This is to certif	y that I have exe	cuted a survey triance with 10 to	to accurately CSR 50-2.030 and
On the above plat, show distance of the proposed well from	the	that the results	are correctly sho	own on the abo	ve plat.
two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the	he				
same reservoir. Do not confuse survey lines with lease line	es.				
See rule 10 CSR 50-2.030 for survey requirements. Lease must be marked.	lines				
REGISTERED LAND SURVEY	4			NUMBER	
NO 780 1426 (00 01) PEMIT TWO (2) CODIES TO: MISSOURI OIL	ANDCAS	COLINGIL DO BOY SE	DOLLA MO CEADO EZ	2/ 269 2465	



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DEC 08 2011

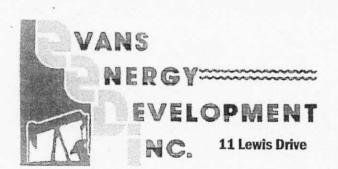


NEW WELL	WORKOVER	LUBEE	PEN []	PLUG BAC	K 🔲 II	NJECTION	I ☐ SAME RE	SERVOIR	DIFFERENT RE	SERVOIR V	OIL [GAS DRY
OWNER	fra Combination Complete Combined						ADDRESS			Louid		ouncil
D. E. EXPLORA	ATION, INC.						PO BOX 1	28, WELLS\	ILLE, KS 66	092		
LEASE NAME							WELL NUMBE					
BELTON UNIT							R-22					
LOCATION OF WELL	SEC TW	N RNG		OR		BLO	OCK AND SURVE	1		LATITUDE		LONGITUDE
Sec. <u>16</u> Twp <u>46</u> 1	North, Rng 33	☐East [✓West	OR	_ft. fro	m Nor	th South	ft. from [East ☐West	38.8129	9	- 94.57287
COUNTY				GC-3 OR OGO						1-0.0-10-0		
CASS		20825								×		
DATE SPUDDED		DATE TOTA	AL DEPTH	REACHED			TED READY TO	ELEVATION	(DF, RKR, RT, OR	Gr.) ELEVAT	TION OF	CASING HD.
12/04/2008	1	12/08/20	008		1	DUCE OR I	NJECT	FEET		FLANGI		
TOTAL DEPTH		PLUG BAC	107.071	EDTU	NA			110	3		NA	FEET
670		60	N TOTAL L	ZEF (H)								
PRODUCING OR INJE			HIS COME	RETION			I BOTABY TOO	LS USED (INTER	(41)	1 -1		
(NOT YET PER		2.5		LLIIOIT			TO	ALL,	FRESH	CABLE	TOOLS	USED (INTERVAL)
WAS THIS WELL DIR				RECTIONAL S	IIDVEVI	MADES	DRILLING FLU	ID USED	UBUEVE E E E E E			
□Yes	✓ No		The state of the s		Part of the second					DATE F	ILED	
TYPE OF ELECTRICA	L OR OTHER LO	GS RUN (II	Ye	EII ED WITH	V No	TE CEOLO	Yes Yes	V 1	NO			
DRILLER	a on o mente	00 11011 (00	701 2000	TILLED WITH	ITIC SIA	TE GEOLO	GIST)			DATE F	ILED	
			18 mm			MOING	BEAGER					
CACING (PERO)	OT ALL OTOL	IOO DET					RECORD					
CASING (REPOR									The second second	C.		
PURPOSE	SIZE HOLE	DRILLED	SIZ	E CASING	SET	WEIGI	HT (LB. FT)	DEPTH SE	SACKS	CEMENT	AM	OUNT PULLED
SURFACE	12.2	25"		8.625"			25	21'		8		
PRODUCTION	6.5	19		4.58			10					
PRODUCTION	0.0)		4.5"			10	660'	_ 1	02		
		ING RE	CORD				PANAS SON X		LINED DEC	OPD		
SIZE	TUE DEPTH SET	ING RE	CORD ACKER SE	TAT SI	IZE		TOP	BOTTON	LINER REC	ORD CKS CEMENT	8	CREEN
	DEPTH SET	PA	ACKER SE			INCH			1 SA		S	
SIZE	DEPTH SET FEE	T P/	ACKER SE	EET		INCH	FEE	т	FEET SA	CKS CEMENT		FEET
INCH	PERFO	T RATION	CKER SE F RECO	RD	457		ACID, S	HOT, FRAC	FEET CEM	ENT SQUE	EZE	RECORD
	PERFO	T P/	CKER SE F RECO	RD			ACID, S	т	FEET CEM	ENT SQUE	EZE	FEET
INCH	PERFO	T RATION	CKER SE F RECO	RD	457		ACID, S	T SHOT, FRAC	FEET CEM	ENT SQUE	EZE	RECORD
INCH	PERFO	T RATION	CKER SE F RECO	RD	457		ACID, S	T SHOT, FRAC	FEET CEM	ENT SQUE	EZE	RECORD
INCH	PERFO	T RATION	CKER SE F RECO	RD	457		ACID, S	T SHOT, FRAC	FEET CEM	ENT SQUE	EZE	RECORD
INCH	PERFO	T RATION	CKER SE F RECO	RD	'H INTE	RVAL	ACID, S AMOL	T SHOT, FRAC	FEET CEM	ENT SQUE	EZE	RECORD
INCH NUMBER PER FE	PERFO	RATION ZE AND T	F RECO	EET RD DEPT	'H INTE	RVAL	ACID, S AMOU	SHOT, FRAC INT AND KIND ITERIAL USED	FEET CEM	ENT SQUE	H INTE	RECORD ERVAL
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INSTRUCTIONS: Attach drillers log or other acceptable log of well.

Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

FORMATION		DET/	ALL OF FORMATIONS PENETRATED
FORMATION	ТОР	воттом	DESCRIPTION (SEE * ABOVE)
			SEE ATTACHED
,			
0-0215 (8-06)			



Oil & Gas Well Drilling Water Wells Geo-Loop Installation

> Phone: 913-557-9083 Fax: 913-557-9084

Paola, KS 66071

WELL LOG

Belton Oil Company Belton Unit #RW-22 R - 22 Missouri Permit #20825

December 4 - December 8, 2008

hickness of Strata	<u>Formation</u>	Total
11	soil & clay	11
1	lime	12
4	shale	16
3	lime	19
13	shale	32
5	lime	37
53	shale	90
2	lime	92
5	shale	97
5	lime	102
16	shale	118
6	lime	124
37	shale	161
5	lime	166
8	shale	174
2	lime	176
4	shale	180
4	lime	184
6	shale	190
27	lime	217
17	shale	234
11	lime	245
14	shale	259
3	lime	262
180	shale	442
11	lime	453
10	shale	463
20	lime	483
11	shale	494
14	lime	508
8	shale	516
8	silty shale	524
2	broken sand	526
6	silty shale	532
9	shale	541
3	sand	544 light brown sand & light bleeding
2	lime	546 sand & light bleeding
4	shale	550

Belton	Unit #R)W-22	R.	-22
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Page 2

4	limey sand & shale	554 light brown sand & grey shale, light brown
17	lime	555
	silty shale	572 few thin bleeding sand seams
2	broken sand	574 50% bleeding sand
1	lime	575
11	shale	586
7	oil sand	593
4	shale	597 few thin bleeding sand seams
3	oil sand	600
6	shale & sand	606 grey, no show
0.6	lime	606.6
0.4	oil sand	607
1	lime	608
2	oil sand	610
1.5	shale	611.5
1	oil sand	612.5
1	lime	613.5
0.5	oil sand	614
5	limey sand	619 bleeding
5	lime & pebbles	624
3	lime	627
1	shale	628
7	sand	635 very lite oil
1	shale	636
1	limey sand	637
33	shale	670 TD

Drilled a 12 1/4" hole to 20' Drilled a 6 1/2" hole to 670'

Set 20.5' of 8 5/8" new surface casing cemented with 8 sacks of cement.

Set 660.4° of new 4 $1/2^{\circ}$ threaded and coupled 8 round upset tubing including 3 centralizers, 1 float shoe and 1 clamp

Page 3

Englevale Squirrel Core Times

	Minutes	Seconds		Minutes	s Seconds	Minutes	Seconds
544		22	582		28	620	29
545		43	583		27	621	57
546		33	584		25	622	20
547		20	585		24	623	23
548		16	586		26	624	24
549		20	587	1	28	625	43
550		19	588		27	626	51
551		18	589		41	627	45
552		17	590		25	628	27
553		15	591		19	629	13
554		30	592		18	630	16
555		11	593		15	631	16
556		18	594		18	632	15
557		16	595		20	633	13
558		19	596		22	634	15
559		20	597		24	635	16
560		19	598		23	636	20
561		19	599		34	637	25
562		47	600		17	638	16
563		30	601		7	639	26
564		19	602		28	640	37
565	1	22	603		23	641	30
566		19	604		21	642 1	19
567		21	605		15	643	54
568		28	606		17	644	42
569		25	607		51	645	16
570		24	608		41	646	37
571		20	609	1	46	647	40
572		27	610		31	648	38
573		58	611		19	649	40
574		47	612		25	650	35
575		23	613	1	34	651	42
576		22	614		57	652	38
577		27	615		43	653	38
578		27	616		18	654	35
579		26	617		32		
580		30	618		28		
581		28	619		21		



REMIT TO

Consolidated Oil Well Services, LLC Dept. 970 P.O. Box 4346 Houston, TX 77210-4346

MAIN OFFICE P.O. Box 884 Chanute, KS 66720 620/431-9210 • 1-800/467-8676 FAX 620/431-0012

'NVOICE

Invoice #

227955

Invoice Date:

12/11/2008

Terms:

Page

D.E. EXPLORATION DOUG EVANS P.O. BOX 128

WELLSVILLE KS 66092

(785)883-4057

BELTON UNIT R-22

9-46-33 19902 12/08/08

art I	Number	Description	Qty	Unit Price	Total
L124		50/50 POZ CEMENT MIX	102.00	9.7500	994.50
L118B		PREMIUM GEL / BENTONITE	190.00	.1700	32.30
1111		GRANULATED SALT (50 #)	237.00	.3300	78.21
L110A		KOL SEAL (50# BAG)	565.00	.4200	237.30
L143		SILT SUSPENDER SS-630, ES	.50	38.5000	19.25
1401		HE 100 POLYMER	.50	47.2500	23.63
1404		4 1/2" RUBBER PLUG	1.00	45.0000	45.00
	Description		Hours	Unit Price	Total
195	CEMENT PUMP		1.00	925.00	925.00
195	EQUIPMENT MILE	AGE (ONE WAY)	60.00	3.65	219.00
	WATER TRANSPOR	T (CEMENT)	3.50	112.00	392.00
510	TON MILEAGE DE		1.00	341.71	341.71

_______ 97.27 AR 3405.17 .00 Tax: Parts: 1430.19 Freight:

Labor:

.00 Misc:

.00 Total:

3405.17

Signed

.00 Supplies:

.00 Change:

.00

EUREKA, Ks 620/583-7664

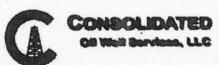
GILLETTE, WY 307/686-4914

OTTAWA, Ks 785/242-4044

THAYER, Ks 620/839-5269

Date

WORLAND, WY 307/347-4577



TICKET NUMBER LOCATION Of Lawa FOREMAN Fred M

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT RANGE SECTION TOWNSHIP COUNTY WELL NAME & NUMBER DATE CUSTOMER# Cass. M 9 Hon Unit # 46 33 R-22 12.8.08 CUSTOMER T TRUCK# DRIVER TRUCK# DRIVER MAILING ADDRESS 506 495 ZIP CODE 510 66092 05/7706 6 3/4 CASING SIZE & WEIGHT HOLE DEPTH JOB TYPE LONG STY THE HOLE SIZE DRILL PIPE CASING DEPTH TUBING CEMENT LEFT IN CASING 42 Plus WATER gal/sk **SLURRY VOL** SLURRY WEIGHT DISPLACEMENT 10.5 BBLDISPLACEMENT PSI Et. 100 Polimer flush.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE Conunt Pump		9250
5406	50 mi	MILEAGE Pump Truck		21900
5407	4.746 Ton	Ton Mileage		34171
2001C	3/2 hrs	STronsport		3920
1124	102 S KS	50/50 Poz Mix Coment		99450
11180	190#	Premium Gal		25 ECE.
1119	237#	Granulated Salt		782
1110 A	565#	Kol Seal		22730
1143	1/2 Gal	FSA-41		1925
1401	1/2 Gal	HE 100 Polymer		2343
4404		HE 100 Polymer 42 Rubber Plug	-	1925 2343 45°9
		Sub Total		330790
		Tex@ 6.8%		97.27
			SALES TAX	7
AUTHORIZTION		TITLE 227955	TOTAL DATE	3405.

AUTHORIZTION